LAVAMAT 61900/60900

Washing machine

User information

PERFEKT IN FORM UND FUNKTION

AEG

Electrolux

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Dear customer,

Please read this User Information carefully and keep it to refer to at a later date.
Pass this User Information on to any subsequent owner of the appliance.

The following symbols are used in the text:

Safety instructions
Warning: Notes that concern your personal safety.
Attention: Notes that show how to avoid damage to the appliance.

Useful tips and hints

Environmental information

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⚠ Safety

Prior to using for the first time

- Follow the **"Instructions for installation and connection"**.
- If the appliance is delivered in the winter months when there are minus temperatures: Store the washing machine at room temperature for 24 hours before using for the first time.

Correct use

- The washing machine is only designed for the washing of normal domestic laundry at home.
- Additions or modifications to the washing machine are not permitted.
- Use only detergents and additives that are suitable for use in domestic washing machines.
- The washing must not contain any inflammable solutions. Danger of explosion!
- Do not use the washing machine for dry cleaning.
- Dyes/colour removers may only be used in the washing machine, if the manufacturer of these products expressly permits this. We cannot be held responsible for any damage arising.

Child safety and Infirm Persons

- Keep packaging away from children. There is a risk of suffocation.
- This appliance is not intended for use by people (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children often do not recognise the hazards associated with electrical appliances. Do not allow children to use the washing machine unsupervised.
- Make sure that children and pets don't climb into the drum of the washing machine. Could endanger life!

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General safety

- Repairs to the washing machine must only be carried out by qualified service engineers.
- Never use the washing machine if the mains cable is damaged; or if the control panel, work top or plinth area is damaged such that the inside of the appliance is freely accessible.
- Switch off the washing machine before cleaning, maintenance and servicing. In addition, pull the mains plug out of the socket or – in the case of a permanent connection – switch off the cut-out in the fuse box or remove the screw fuse completely.
- If operation is stopped, disconnect the appliance from the mains supply and shut off the water tap.
- Never unplug the appliance by pulling on the cable. Always pull the plug.
- Multi-way plugs, connectors and extension cables must not be used. **This could constitute a fire hazard through overheating.**
- Never wash the washing machine down with a water jet. Danger of electric shock!
- In washing programmes with high temperatures the glass in the door gets hot. Do not touch it.
- Before emergency emptying of the appliance, before cleaning the drain pump or opening the door in an emergency, let the water cool down.
- Small animals can nibble at the cables and water hoses. Danger of electric shock and danger of water damage! Keep small animals away from the washing machine.

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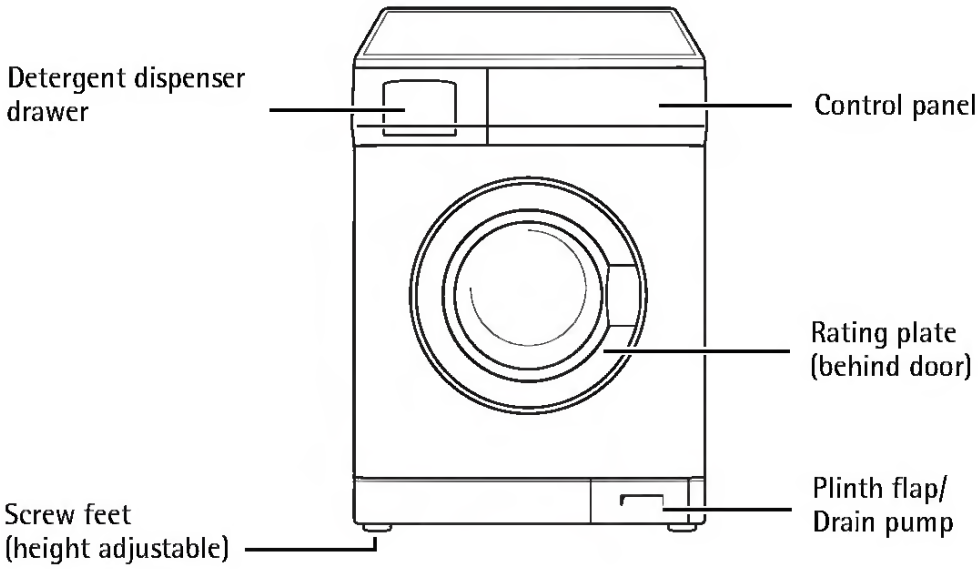
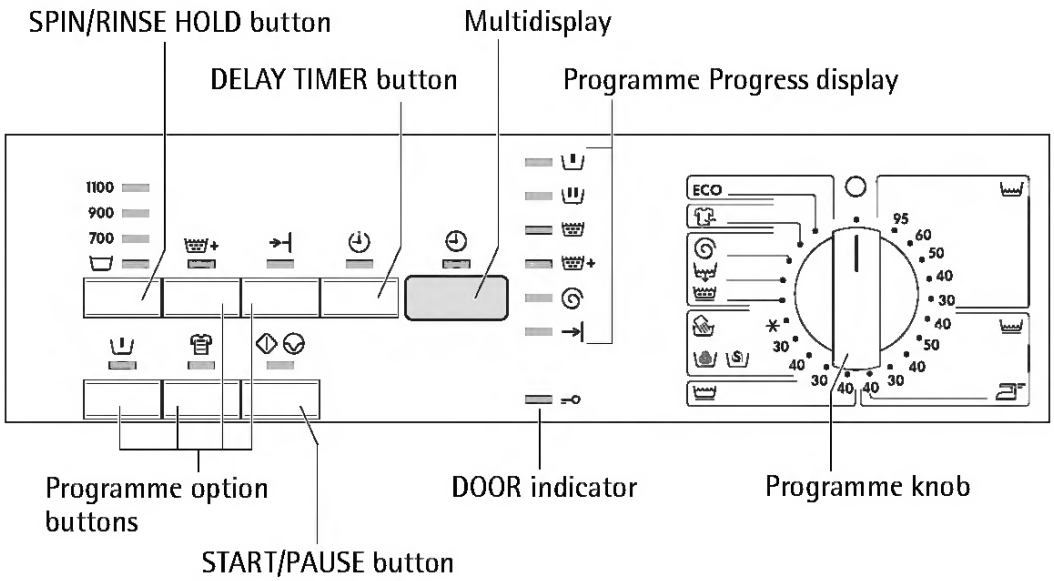
Description of the appliance



Control panel



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Programme overview

Programme	max. load [1] (dry washing)	Programme options				Spin speed		
		+ (EXTRA RINSE)	(QUICK WASH)	(PRE WASH)	(STAIN)	1100 (L 61900)	900/700 (L 61900) 1000/900/600 (L 60900)	(RINSE HOLD)
ECO (ENERGY SAVING) [2]	6 kg	•		•	•	•	•	•
(COTTONS/LINEN) 95, 60, 50, 40, 30	6 kg	•	•[3]	•	•[4]	•	•	•
(EASY-CARES) 60, 50, 40, 30	3 kg	•	•	•	•[4]		•	•
(EASY IRON) 40	1 kg	•	•	•	•		•	•
(DELICATES) 40, 30	3 kg	•	•	•			•	•
/ / (WOOL/SILK/HANDWASH) 40, 30, (COLD)	2 kg						•	•
(GENTLE RINSE)	3 kg						•	•
(DRAIN)								
(SPIN)	6 kg					•	•	
(REFRESH)	3 kg						•	•

1) A 10 litre bucket contains approx. 2.5 kg of dry washing (cotton)
2) Programme settings for tests in accordance with or support of EN 60 456 and IEC 60 456 are described in the section "Consumption values".
3) Recommended load for short progammes is 3 kg; full loading is possible however with somewhat reduced cleaning results.
4) (STAIN) can only be selected with wash temperatures of 40°C and above, as stain treatment products are only effective at higher temperatures.

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Application/features:	Care symbols[1)]
Energy-saving programme at 60 °C for lightly to normally soiled whites/ coloureds made of cotton/linen.	
Programme for normally to heavily soiled whites/coloureds made of cotton/ linen.	
Programme for easy-care mixed fibres and synthetics.	
Special programme which washes at 40 °C for easy-care fabrics which after being washed using this programme need to be ironed only lightly or not at all.	
Gentle programme for delicate fabrics such as bonded fabrics, microfibres, synthetics, net curtains (max. load for net curtains 20 to 25 m^2). With RINSE HOLD also suitable for fabrics with climate membrane, e.g., outdoor clothing.	
Particularly delicate programme for machine washable and hand washable wool/silk.	
Separate gentle rinse cycle (3 rinses, liquid conditioner is washed in from compartment ❀, gentle spin).	
Drains water away after a rinse hold.	
Drains water out and spins, e.g. after a rinse hold, or separate spin for hand-washed cottons/linens.	
Special programme at 30 °C, approx. 30 minutes long, for quickly washing through items such as e.g. slightly dirty sports clothing that have been worn once or new clothes.	

1) The figures in the care symbols indicate the maximum temperatures.

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Before the first wash

1. Open the detergent dispenser drawer.
2. Pour about 2 litres of water through the detergent dispenser drawer into the washing machine.

   This closes the water container when the next programme is started and the economy valve can function properly.
3. In order to remove any residues from the drum and water container which may have been left during manufacturing, perform the first wash cycle without any washing in the machine. Programme: (COTTONS/LINEN) 95, press →| (QUICK WASH), add 1/4 of a measuring cup of washing powder.

Preparing and sorting washing

Preparing washing

- Empty pockets. Remove foreign bodies (e. g. coins, paper clips, nails, etc.).
- Do up zips, button up covers to prevent damage to washing.
- Remove the runners from net curtains or cover them with a net or a bag.
- Wash sensitive and small items in a net or a pillow case, e.g. net curtains, tights, socks, handkerchiefs, bras.

Important! Bras and other items containing wires should NOT be washed in this washing machine.

Sorting washing

- By colour: Wash white and coloured washing separately. Washing can run.
- By temperature, type of washing and care symbol.

Important! Do not wash fabrics with care symbol (= do not wash!) in the washing machine.

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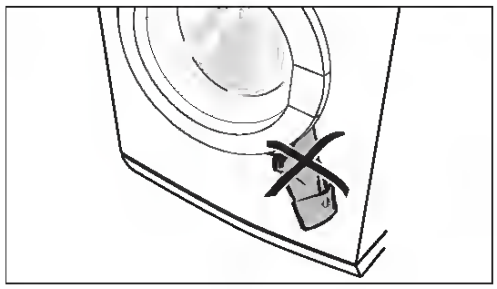
Running a washing cycle

Opening the door/Loading the washing

1. To open the door: gently pull the handle on the door.
   When the machine is switched on, the lights ⊸ (DOOR) and ⏻/⏾ (START/PAUSE) indicate whether the door can be opened:

⊸ light (DOOR)	⏻/⏾ light (START/PAUSE)	Can the door be opened?
lit green	flashes red or is off	yes
lit green	lit red	yes, after pressing the ⏻/⏾ (START/PAUSE) button
lit red or is off	flashes red or lit red	no, water level too high or temperature too high

2. Unfold washing and load it loosely into the machine. Mix large and small items.
   Important: Do not get any washing caught between the door and the rubber seal.
3. Press the door firmly shut. Door catch must audibly latch.



Adding detergent/additives

Important: Use only detergents and additives that are suitable for use in domestic washing machines.

⚠ **For USA and Canada only!**

Important! Only LOW-SUDSING detergent suitable for a front-loading washing machine can be used in this machine. This machine can heat the water up to 95 degrees celsius, or 200 degrees fahrenheit, and care should be taken to ensure that the correct washing powder is used. If you have any doubt, check with your dealer or the distributor.

WARRANTY AND CONSEQUENTIAL DAMAGES ARE VOIDED IF A LOW SUDSING DETERGENT IS NOT USED.

Dose detergent and additives according to the instructions of the detergent and additive manufacturers. Follow the instructions on the packaging.

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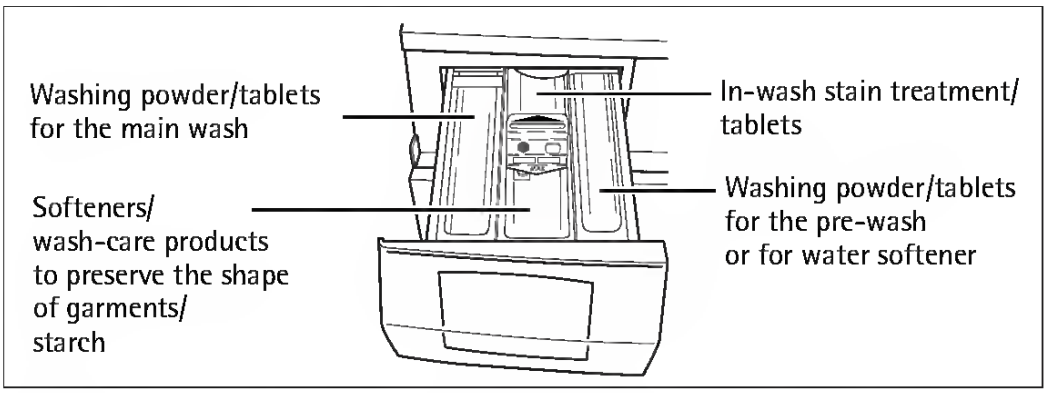
Dosing depends upon:
– the washing's degree of soiling,
– the size of the load
– the degree of hardness of the water supply.

- If the manufacturer does not give instructions for small loads: for a half load, use a third less, for a very small load, use only half of the detergent that is recommended for a full load.
- From water hardness 2 (= medium) upwards, water softener should be used. Detergent can then always be dosed for water hardness 1 (= soft). Your local water company will be able to give you information about the water hardness in your area.

1. Pull the detergent dispenser drawer out as far as the stop.
2. Add the detergent/additives.
3. Push the drawer in fully.


Washing powder/tablets for the main wash
Softeners/ wash-care products to preserve the shape of garments/ starch
In-wash stain treatment/ tablets
Washing powder/tablets for the pre-wash or for water softener

Washing powder/tablets for the main wash

If you are using water softener and need the right-hand compartment for the pre-wash detergent, add the water softener to the main wash detergent in the left-hand compartment.

Softeners, wash-care products to preserve the shape of garments, starch

Do not fill the compartment beyond the MAX mark. Dilute thick liquid concentrates according to the manufacturer's instructions before putting them into the drawer. Dissolve powder starches.

If you use liquid detergents:

Add liquid detergent using the dosage container provided by the detergent manufacturer and place on top of the washing drum.

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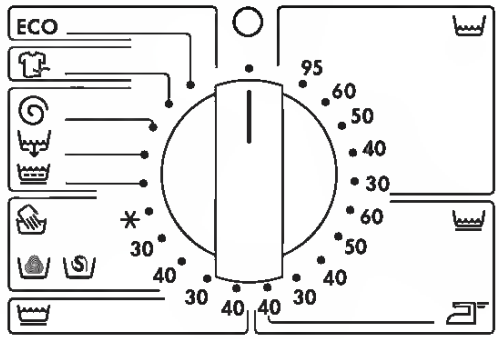
Switching on the appliance/selecting a programme

Set the programme and temperature using the programme knob.



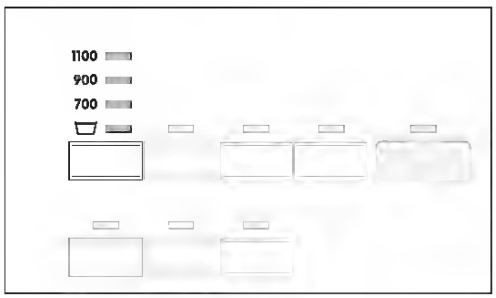
By selecting a programme, you switch the appliance on at the same time.

– The programme progress display indicates the programme steps that the selected programme will perform.
– In the multi-display the estimated length of the programme (in minutes) appears.

Changing the spin speed/Selecting rinse hold

The washing machine suggests the maximum permitted speed that is suitable for the selected programme. You can reduce this speed:

Press the SPIN/ (RINSE HOLD) button repeatedly, until the desired indicator lights up.



The speed for the final spin can still be altered during the programme. To do this:

1. Press the ⏵/⏲ button (START/PAUSE).
2. Change the speed.
3. Press the ⏵/⏲ button (START/PAUSE) again.

(RINSE HOLD)

With (RINSE HOLD) the washing is left to soak in the final rinse water. There is no final spin after the intermediate spin(s). Intermediate spins are programme-dependent and cannot be altered.

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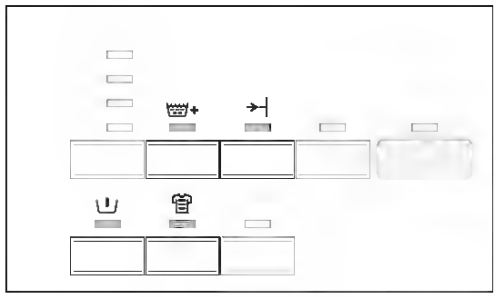
Selecting the programme options

If desired, press the programme option button(s). The corresponding indicator lights up.



If "Err" is flashing in the multi-display, the programme option selected cannot be combined with the wash programme set.

+ EXTRA RINSE

With the programmes **ECO** (ENERGY SAVING), (COTTONS/LINEN), (DELICATES), (EASY-CARES) and (EASY IRON) two additional rinses are carried out (e. g. in cases of over-sensitive skin).

QUICK WASH

Shortened wash programme for less soiled items.

PREWASH

Hot pre-wash before the main wash that follows automatically; with intermediate spin for (COTTONS/LINEN) and (EASY-CARES), without intermediate spin for (DELICATES).

STAIN

For heavily soiled or stained washing. In-wash stain treatments are washed in at the optimum time as the programme progresses. Can only be used for washing temperatures of above 40°C as stain removers are not effective at lower temperatures.

Setting the delay timer

Using the button (DELAY TIMER) you can delay the start of a programme by 30 minutes (30') to a maximum of 23 hours (23h).

1. Select the programme.
2. Press the button (DELAY TIMER) repeatedly until the multi-display shows the desired time delay, e. g., 12h, if the programme is to start in 12 hours. The indicator (DELAY TIMER) will light up.

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If the display is showing 23h and you press the button again, the time delay will be cancelled. 0' will appear followed by the length of the wash programme that has been set.

3. To activate the delay timer, press the ⏻/⏲ button (START/PAUSE). The time remaining to the start of the programme is continuously displayed (e. g., 12h, 11h, 10h,... 30' etc.).

Starting a programme

1. Check that the tap is turned on.
2. Press the ⏻/⏲ button (START/PAUSE). The programme is started or it starts after the time delay set has elapsed.

If after pressing the ⏻/⏲ button (START/PAUSE) E40 flashes in the multi-display, the →| (END) indicator flashes 4x and at the same time an acoustic signal sounds 4x, the door has not been correctly shut. Push the door firmly closed and press the ⏻/⏲ button (START/PAUSE) again.

Programme progress

- The programme progress display shows the programme step that is currently being carried out.
  - (Prewash)
  - (Main wash)
  - (Rinse)
  - + (Extra Rinse)
  - (Spin)
  - →| (End)
- The multi-display shows the estimated time remaining (in hours and minutes) until the end of the programme.

The remaining programme time may increase or briefly remain constant during the wash programme as the programme adjusts to various conditions while washing (e. g. type of washing, amount of washing, recognising out-of-balance when spinning, special rinse cycle, etc.).

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Interrupting a programme/Adding washing

Interrupting a programme

- A washing programme can be interrupted at any time by pressing the ⏻/⏲ button (START/PAUSE) and then re-started by pressing the ⏻/⏲ button (START/PAUSE) again.
- To stop the washing machine before the programme has ended, turn the programme knob to ○ (OFF). **Important:** Be careful if there is water in the appliance!

Adding washing

It is possible to add washing, as long as the ⊸ (DOOR) light is lit green.

1. Press the ⏻/⏲ button (START/PAUSE). The door can be opened.
2. Close the door and press the ⏻/⏲ button (START/PAUSE) again. The programme will continue.

End of the wash cycle/Removing the washing

When the programme has finished, →| (END) will illuminate on the programme progress display. The door can be opened as soon as the ⊸ indicator (DOOR) is lit green.

1. Open the door and remove the washing.
2. Turn the programme knob to ○ (OFF).
3. Close the water tap.
4. When you have finished washing, pull out the detergent drawer a little to let it to dry out. Keep the door very slightly open so that the washing machine can air.

If ⏛ (RINSE HOLD) has been selected:

Following a rinse hold →| (END) will be lit on the programme progress display.

The water must first be drained off:

– Either turn the programme knob to ○ (OFF), then to ⏦ (DRAIN) and press the ⏻/⏲ button (START/PAUSE) (the water will be drained without spinning),
– turn the programme knob to ○ (OFF) and then to ⏲ (SPIN). Change the spin speed, if necessary, and press the ⏻/⏲ button (START/PAUSE) (the water will be drained and the washing spun).

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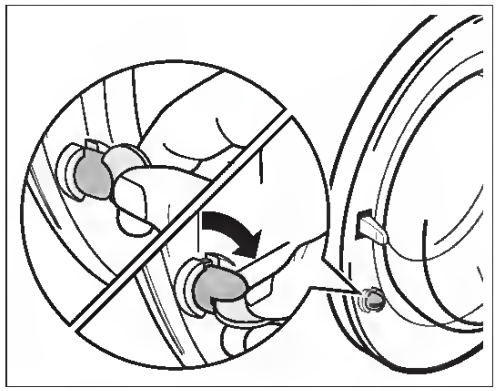
Child safety device

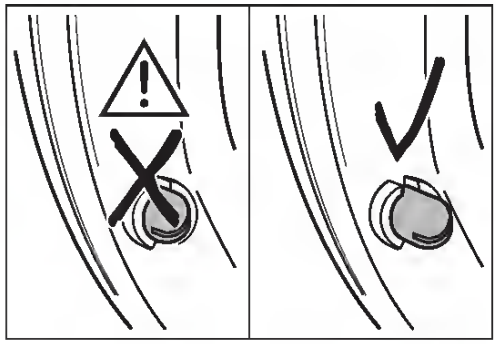
When the child safety device is set, the door can no longer be closed.

Setting the child safety device:
Use a coin to turn the knob (on the inside of the door) in a clockwise direction as far as it will go.



Warning! The knob must not be sunk-in after being set, otherwise the child safety device is not active. The knob must stand out as shown in the illustration.

Releasing the child safety device:
Turn the knob anti-clockwise as far as it will go.



Cleaning and maintenance

Important! Do not use furniture care products or aggressive cleaners to clean the appliance.
Wipe control panel and body with a damp cloth.

Cleaning procedure

If you plan to wash mainly at low temperature, you should run a hot programme from time to time. This will reduce any deposits and clean the appliance from the inside.

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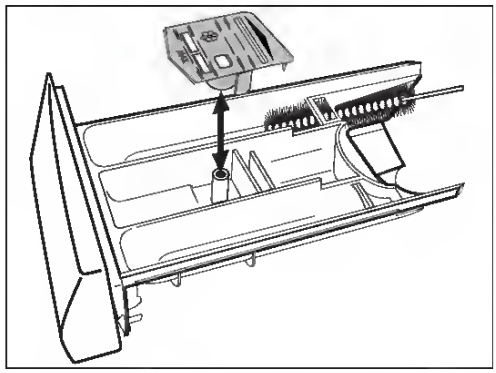
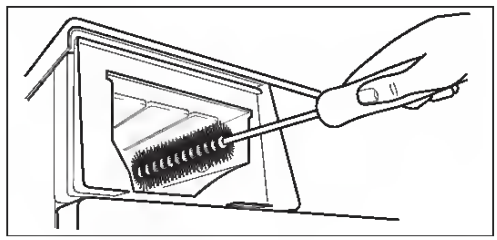
Detergent dispenser drawer

The detergent dispenser drawer should be cleaned regularly.

1. Remove the detergent dispenser drawer by pulling it firmly.
2. Remove the conditioner insert from the middle compartment.
3. Clean all parts with water.
4. Put the conditioner insert in as far as it will go, so that it is firmly in place.



5. Clean all parts of the washing machine, especially the nozzles in the top of the washing-in chamber, with a brush.
6. Insert the detergent dispenser drawer in the guide rails and push it in.



Washing drum

Rust deposits in the drum may occur due to rusting foreign bodies in the washing or tap water containing iron.

Important! Do not clean the drum with acidic descaling agents, scouring agents containing chlorine or iron or steel wool.

1. Remove any rust deposits on the drum with a cleaning agent for stainless steel.
2. Run a washing cycle without any washing to clean off any cleaning agent residues. Programme: (COTTONS/LINEN) 95, press the button (QUICK WASH), add approx. 1/4 measuring cup of washing powder.

Door and rubber collar

Regularly check whether deposits or foreign bodies are present in the folds of the rubber collar or on the inside of the glass door.
Clean the glass in the door and the rubber collar regularly.

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What to do if...

Remedying small malfunctions

If during use of the appliance one of the following error codes is shown in the multi-display:
– E 10 (Problems with water inflow),
– E20 (Problems with water outflow),
– E40 (door open),
please have a look at the following table.
When the fault is remedied, press the ⏻/⏷ button (START/PAUSE).
In the event of other errors (E and a number or letter): Switch the appliance off and then on again. Re-set the programme. Press the ⏻/⏷ button (START/PAUSE).
If the error appears again, please contact the Customer Care Department, stating the error code.

Problem	Possible cause	Remedy
Washing machine is not working.	Mains plug not plugged in or fuse not working.	Connect the plug to a mains socket. Check fuse.
	Door not closed properly.	Close door - there should be an audible click.
	The ⏻/⏷ button (START/PAUSE) button was not pressed for long enough.	Press the ⏻/⏷ button (START/PAUSE).
The door cannot be closed.	Child safety device engaged.	Release the child safety device.
When a button is pressed, Err appears in the multi-display.	The selected function cannot be combined with the programme set.	Select another function.
E40 appears. →| indicator (END) flashes 4x, at the same time an acoustic signal sounds 4x.	The door is not closed properly.	Close the door properly. Restart the programme.
E 10 appears. →| indicator (END) flashes 1x, at the same time an acoustic signal sounds 1x. (Problems with water inflow)	Tap turned off.	Turn on the tap.
	The filter in the threaded inlet hose fitting is blocked.	Turn off the tap. Unscrew the hose, take out the filter and clean it.
	Water tap is furred with lime scale or is faulty.	Check the tap and have it repaired, if necessary.

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Problem	Possible cause	Remedy
The washing machine vibrates when operating or is not stable.	The transport lock has not been removed.	Removing the transport lock.
	The screw feet not correctly adjusted.	Adjust the feet as described in the installation and connection instructions.
Washing has not been spun.	Only a few large items of washing in the drum.	Always load the drum as full as possible. Mix large and small items.
Water is running out from under the washing machine.	Screw connection on the inlet hose is leaking.	Screw the inlet hose on tightly.
	Drain hose is leaking.	Replace drain hose.
	Drain pump cover is not closed properly.	Close the cover properly.
	Washing was caught in the door.	Load washing carefully for the next wash.
	Emergency drain hose is leaking.	Close off emergency drain hose properly.
Washing water is foaming excessively. At the end of the washing cycle, the spin stops.	Probably too much detergent has been used.	Follow the manufacturer's instructions exactly when measuring out detergent.
E20 appears. →| indicator (END) flashes 2x, at the same time an acoustic signal sounds 2x. (Problems with water outflow)	Kink in drain hose.	Straighten the hose.
	Maximum pumping height of 1 m exceeded.	Please contact the Customer Care Department.
	Drain pump is blocked.	Switch off the appliance. Disconnect the power plug. Clean the drain pump. Remove foreign bodies from the pump housing.
	For sink spigot connections: The sink spigot is blocked.	Clean the sink spigot.
Conditioner not rinsed in, ❀ compartment for additives is filled with water.	Conditioner insert in the compartment for additives is not correctly attached or is blocked.	Clean the detergent drawer, insert the conditioner insert firmly.

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Problem	Possible cause	Remedy
The door cannot be opened when the washing machine is switched on.	Door locked.	Wait until ⊸ indicator (DOOR) is lit green.
	There has been a power cut. (All indicators are off.) For safety reasons, the door remains locked for approx. 4 to 10 minutes.	The programme will continue when the power cut is over.
		To remove washing: If water can be seen in the appliance, before opening the door, first drain off the water. (See section "Carrying out an emergency drain".)
Washing is heavily creased.	Possibly too much washing was loaded.	Observe maximum loads.

If the wash results are not satisfactory

Washing is grey and scale is being deposited in the drum

- Too little detergent is being used.
- The right detergent was not used.
- Special soiling was not pre-treated.
- Programme or temperature was not correctly set.

There are grey stains on the washing.

- Washing soiled with ointment, grease or oil was washed with too little detergent.
- It was washed at too low a temperature.
- A common cause is that fabric conditioner – especially a concentrate – has got onto the washing. Such stains should be washed out as quickly as possible and make sure that you are careful when using fabric conditioner.

After the last rinse foam can still be seen.

- Modern detergents may create foam even in the last rinse cycle. The washing is however sufficiently rinsed.

There are white residues on the washing.

- This is due to the insoluble ingredients in modern detergents. They are not caused by insufficient rinsing. Shake or brush the washing. If possible turn the washing inside out before washing. Check your choice of detergent. Especially with dark colours it is advisable to use liquid detergents.

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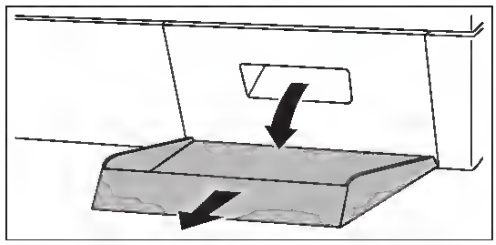
Carrying out an emergency drain

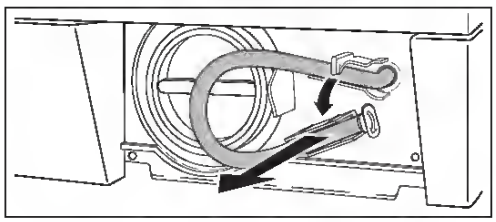
Warning! Before emergency draining, switch off the washing machine and remove the mains plug from the socket.

Warning! The water that comes out of the emergency drain hose may be hot. There is a risk of scalding. Let the water cool before performing an emergency drain.

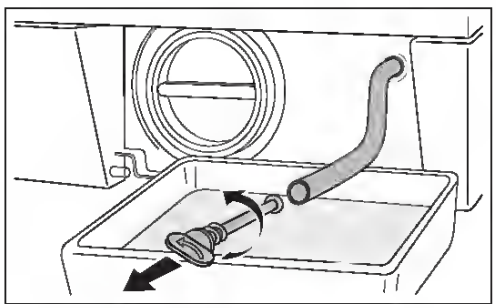
1. Open the plinth flap and remove it.



2. Take out the emergency drain hose.



3. Place a shallow container underneath it. Then loosen the drain plug by turning it in an anti-clockwise direction and pull it out.
4. The water runs out. If it is necessary to empty the container more than once, seal up the emergency drain hose with the drain plug while you are doing so.



When the water has all drained away:

5. Push the drain plug firmly into the emergency drain hose and screw it tight in a clockwise direction.
6. Place the emergency drain hose back in the support.
7. Insert the plinth flap and close it.

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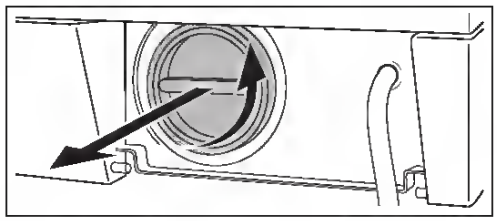
Drain pump

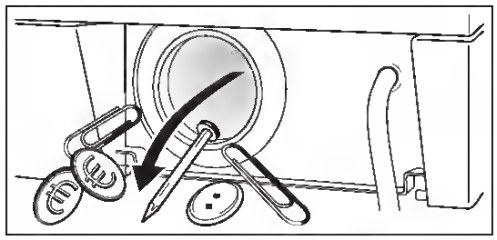
The drain pump is maintenance-free. It is only necessary to open the pump cover if there is a malfunction and water is no longer being pumped out, e. g. if the pump wheel is blocked.
Please make sure before loading the washing that there are no foreign bodies in the pockets or caught between the washing. Paperclips, nails, etc. that may have got into the washing machine with the washing remain in the pump housing (foreign body trap that protects the pump wheel).

⚠ **Warning!** Before opening the pump cover, switch off the washing machine and remove the mains plug from the socket.

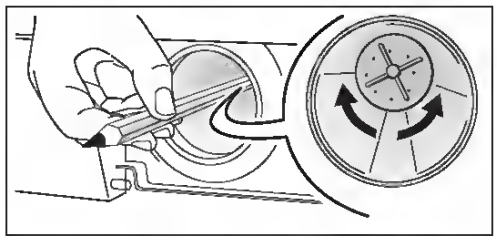
1. First carry out an emergency drain.
2. Place a cloth on the floor in front of the drain pump cover.
   Residual water runs out.
3. Unscrew the pump cover in an anti-clockwise direction and remove it.



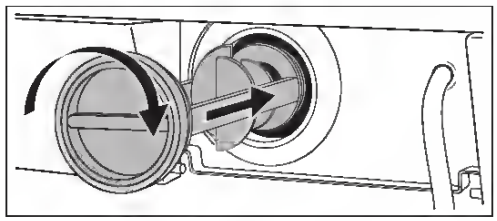
4. Remove foreign bodies and fluff from the pump housing and from the pump wheel.



5. Check whether the pump wheel right at the back of the pump housing can turn. (It is normal for the pumping wheel to turn jerkily.) If the pumping wheel cannot be turned, please contact the Customer Care Department.



6. Insert the pump cover. Insert the guides at the sides of the cover into the guide slots and tighten the cover by turning in a clockwise direction.
7. Close off the emergency drain hose and place it in the support.
8. Close plinth flap.



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Disposal

Packaging material

The packaging materials are environmentally friendly and can be recycled. The plastic components are identified by markings, e.g. >PE<, >PS<, etc. Please dispose of the packaging materials in the appropriate container at the community waste disposal facilities.

Old appliance

The symbol on the product or on its packaging indicates that this product may not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Warning! When an appliance is finished with, remove the plug from the mains socket. Cut off the cable and plug and dispose of them. Destroy the door lock. This prevents children from trapping themselves inside and endangering their lives.

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Technical data

CE This appliance conforms with the following EU Directives:
– 73/23/EEC dated 19.02.1973 Low Voltage Directive
– 89/336/EEC dated 03.05.1989 EMC Directive inclusive of Amending Directive 92/31/EEC
– 93/68/EEC dated 22.07.1993 CE Marking Directive

Height x Width x Depth	850 x 598 x 603 mm
Depth when door is open	980 mm
Height adjustment	approx. +10/-5mm
Load (depending on programme)	Max. 6kg
Area of use	Domestic
Drum spin speed	see programme overview
Water pressure	0.5-10bar (=5–100 N/cm^2=0.05–1.0MPa)

Consumption values

The consumption values were obtained under standardised conditions. They may vary when operating in domestic conditions.

Programme selector Temperature	Load size in kg [1)]	Water in litres	Energy in kWh
(COTTONS/LINEN) 95	6	62	2,20
ECO (ENERGY SAVING) [2)]	6	49	1,02
(COTTONS/LINEN) 40	6	58	0,70
(EASY-CARES) 40	3	58	0,52
(DELICATES) 30	3	58	0,42
/// (WOOL/SILK/HANDWASH) 30	2	54	0,35

1) The load size is determined in accordance with the EN 60456 standard load.
2) **Note:** Programme setting for testing in accordance with or in support of Standard EN 60 456 and IEC 60 456. Consumption values will vary from those quoted depending on the pressure and hardness of the water and its initial temperature, the room temperature, type and quantity of washing, detergent used, fluctuations in mains voltage and options selected.

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⚠ Safety information for the installation

- This washing machine **cannot be built-in**.
- Before using for the first time, check the appliance for damage sustained while it was being transported. Do not under any circumstances connect an appliance that is damaged. In the case of damage, please contact your supplier.
- Before using for the first time, all parts of the transport lock must be removed. Otherwise when spinning damage may be caused to the appliance or to neighbouring units or furniture.
- Before using the appliance for the first time, splash protection must be completed. (See "Removing the transit packaging".)
- Always plug the mains plug into a correctly installed shockproof socket.
- Prior to using the appliance for the first time, ensure that the rated voltage and type of supply on the rating plate match that of the supply where the appliance is to be installed. The fuse rating is also to be found on the rating plate.
- If work on the plumbing is required for the proper connection of the washing machine to the water supply, this must be undertaken by a competent person.
- If work on the electricity supply system is required for the proper connection of the washing machine to the electricity supply, this must be undertaken by a registered electrician.
- Should the appliance power supply cable need to be replaced, this must be carried out by our Service Force Centre.
- The power supply cable must be easily accessible after installing the appliance.
- Connect the machine to an earthed socket.

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Installing the appliance

Transporting the appliance

Warning! The washing machine is very heavy. Risk of injury. Be careful when lifting.

- Do not lay the appliance on its front nor on its right side (as seen from the front). Electrical components may get wet.
- Never transport the appliance without its transport lock. Only remove the transport lock when the appliance is in its place of installation. Transporting the appliance without its transport lock can lead to damage to the appliance.
- Never lift the appliance by the door when it is open nor by the plinth.

When moving using a sack trolley:

- Only use the sack trolley on the side of the appliance.

Unpacking

The transport safeguard must be removed before putting the appliance into operation.

Important!

You are advised to keep all the packaging for re-use in case the machine is to be transported again.

1. After removing all the packaging, with assistance carefully lay machine on it's back to remove the polystyrene base from the bottom.

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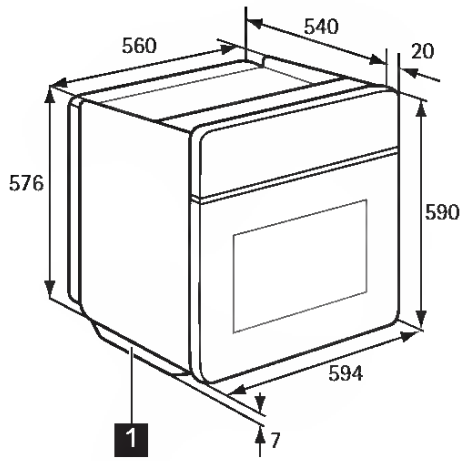
Building In

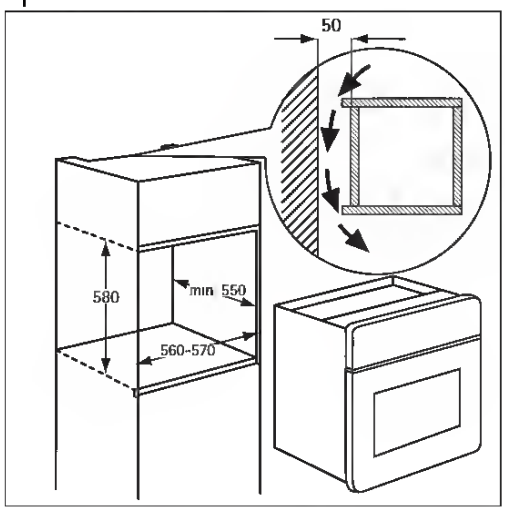
Overall oven dimensions

1 Removable spacers

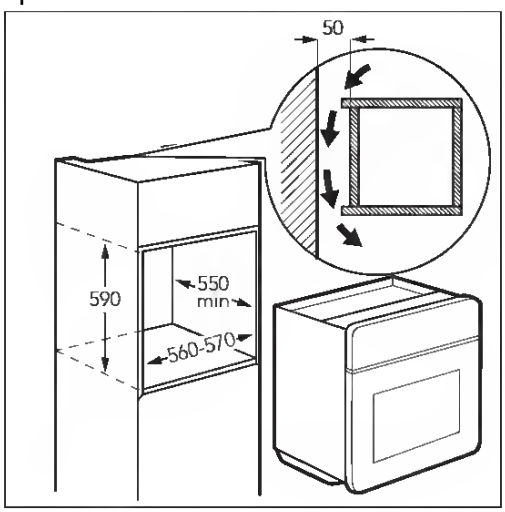


In column building-in

Spacers removed

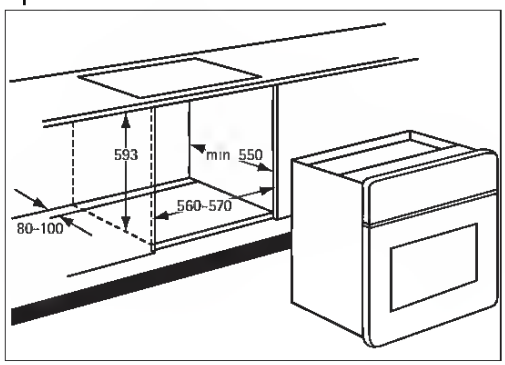


Spacers not removed

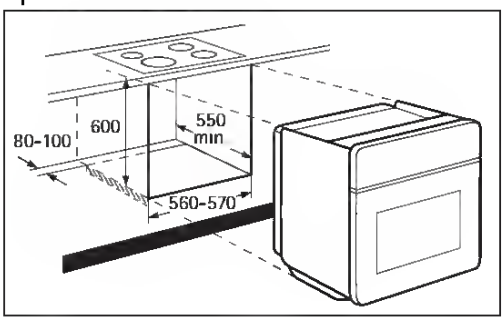


Building-in under kitchen counter

Spacers removed



Spacers not removed



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Connecting the Box

Please follow the instruction here to place the AV box.

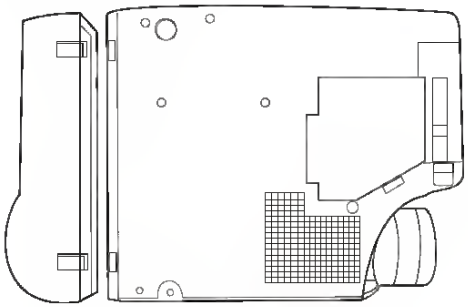

Figure 28 Bottom View of AV box

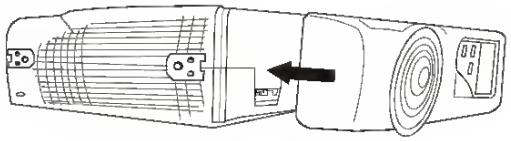

Figure 29 Side View of AV box

To attach the AV box to the unit：

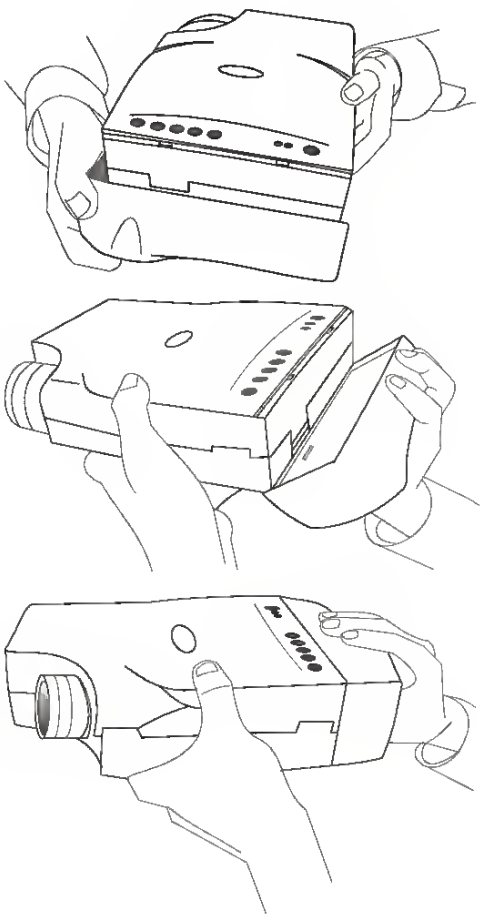

Figure30 Connecting the Box

1. Precisely place the two chocks at the lower surface of the AV box into the lower slots in the correspondent position in the projector.
2. Slowly push the box to fit the unit and, meanwhile, insert the box plug into the A/V connector closely.
3. Plug in the correct cord into the correspondent jack or port to perform A/V function.
4. Select inputs by pressing "Source" key, and select channel by the channel up or down keys.

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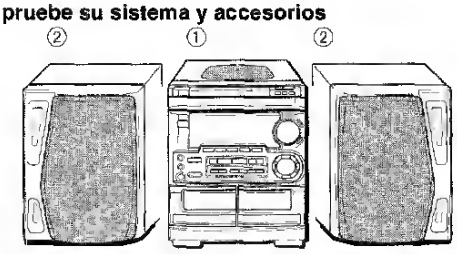
INSTALACION

El sisteme Dolby Pro Logic, le característice más destecede de este sistema, le proporciona en su propio hogar un sonido de múltiples canales.
Complete los ajustes y las conexiones de la unidad principal, los altavoces suministrados, su televisor y su equipo de vídeo de acuerdo con el procedimiento siguiente.

Compruebe su sistema y accesorios



① CX-NMT50 Sintonizador, emplificador, pletina de casete y reproductor de discos compactos estéreo
② SX-NA54 Altavoces delanteros

SX-R210 Altavoces de sonido ambiental

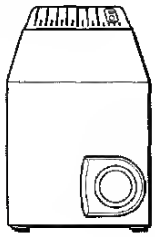
SX-C400 Altevoz centrel

Control remoto

Antena de AM

Antene de FM

Manual de instrucciones, etc



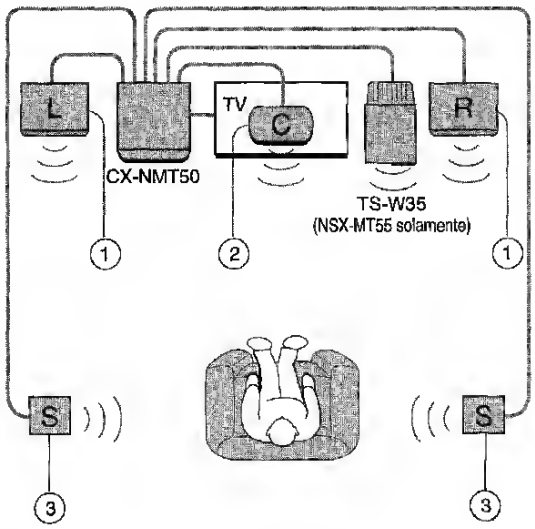
*TS-W35 (NSX-MT55 solamente)
(Se suministra un cable de conexión y el manual de instrucciones.)
Con el NSX-MT50 se encuentra disponible el altavoz de subgraves activo TS-W35 opcional

Anotación del propietario
Pare su conveniencie, enote el número de modelo y el numero de serie (los encontrará en el panel trasero de su aparato) en el espacio suministrado mas abajo. Menciónelos cuendo se ponge en contacto con su concesionario Aiwa en caso de tener dificultades.

N.° de modelo	N.° de serie (N.° de lote)
CX-NMT50	
SX-NA54	
SX-C400	
SX-R210	
TS-W35 (NSX-MT55 solamente)	

UBICACION DE LOS ALTAVOCES

Pare poder lograr los mejores efectos que puedan obtenerse con el sistema Dolby Pro Logic, resulta importante colocar apropiadamente los altavoces. Consulte le ilustreción siguiente para encontrer la mejor ubicación en su habitación.



① **Altavoces delenteros**
② **Altevoz central**
Póngalo en medio de los dos altavoces delanteros. Además, si conecta un televisor a la unidad, ponge este eltavoz encima o debajo del televisor.
③ **Altavoces de sonido ambientai**
Ponga los altavoces de sonido ambiental directamente a los ledos o un poco por detrás de le zone de escucha. Alineelos horizontalmente, e 1 metro aproximadamente por encima de la altura de los oídos.

NOTA

- Cuando los sistemas Dolby Pro Logic y SURROUND estén desectivados no se oirá sonido del altavoz central ni de los altavoces de sonido ambiental.
- El altavoz central sólo sonará cuando Dolby Pro Logic esté activado.

CONEXIONES

Antes de conecter el cable de alimentación de CA
La tensión nominal de su unidad, mostrada en el panel trasero, es de 120 V CA. Asegúrese de que la tensión nominal coincida con la tensión empleada en su localidad.

IMPORTANTE
Conecte primero los altavoces, las antenas y todos los demás equipos opcionales. Finalmente conecte el cable de alimentación de CA.

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OPERACIONES BASICAS

INSERCION DE CINTAS

- En la platina 1, las cintas se reproducen siempre por ambas caras.
  En la platina 2, podrá seleccionar el modo de inversión para reproducir una o dos caras.
- Utilice cintas normales (tipo I), de CrO_2 (tipo II) o de metal (tipo IV) para la reproducción.

Pulse el botón TAPE y la marca ≙ EJECT para abrir el portacassette. → A
Inserte una cinta con el lado expuesto hacia abajo y con la cara que vaya a ser reproducida en primer lugar hacia adelante. Empuje el portacassette para cerrarlo.

Para seleccionar un modo de inversión (platina 2 solamente) → B
Cada vez que pulse el botón REV MODE, el modo de inversión cambiará.
Para reproducir una cara solamente, encienda ⇉.
Para reproducir la cara delantera y la trasera una vez solamente, encienda ⇄.
Para reproducir repetidamente ambas caras, encienda ⇆.
- Cuando haya cintas introducidas en ambas platinas, ⇄ en el visualizador indicará la reproducción continua. (Consulte la página 33.)

REPRODUCCION DE UNA CINTA → C

Inserte una cinta.

1 **Pulse el botón DOLBY NR y active o desactive Dolby NR según las características de la cinta de reproducción.**
Para cintas grabadas con DOLBY NR, active DD NR.
Para cintas grabadas sin DOLBY NR, desactive DD NR.

2 **Pulse el botón ◄► para iniciar la reproducción.**
VISUALIZACION
① Cara de reproducción de la cinta
▷: La cara que queda hacia adelante (cara delantera) está siendo reproducida.
◁: La cara que queda hacia atrás (cara trasera) está siendo reproducida.
② El contador de cinta indica el movimiento de la cinta.

Cuando haya cintas insertadas en ambas platinas
Pulse el botón TAPE para seleccionar primero una platina. El número de la platina seleccionada se visualizará.

Para detener la reproducción, pulse el botón ■.
Para hacer una pausa en la reproducción (platina 2 solamente), pulse el botón ❚❚. Para reanudar la reproducción, púlselo otra vez.
Para cambiar la cara de reproducción, pulse el botón ◄► DIRECTION/PRESET en el modo de reproducción o en el de pausa.
Avance rápido o rebobinado, pulse el botón ◄◄ o ►► en el modo de parada. Luego pulse el botón ■ para detener la cinta.

Para iniciar la reproducción cuando la alimentación esté desactivada (función de reproducción directa)
Pulse el botón TAPE. La alimentación se conectará y la reproducción de la cinta insertada empezará.

Para poner el contador de cinta a 0000
Pulse el botón ■ CLEAR en el modo de parada.
El contador se pondrá también a 0000 cuando se abra el portacassette.

OPERATIONS DE BASE

MISE EN PLACE DE CASSETTES

- Avec la platine 1, les cassettes sont toujours lues sur les deux faces.
  Avec la platine 2, on peut choisir un mode d'inversion pour lire une face ou les deux.
- Pour la lecture, utiliser des cassettes normales (type I), CrO_2 (type II) ou au métal (type IV).

Appuyer sur la touche TAPE puis appuyer sur la marque ≙ EJECT pour ouvrir le porte-cassette. → A
Insérer une cassette avec le côté exposé du ruban magnétique en bas et avec la face à lire en premier orientée vers l'avant. Pousser le porte-cassette pour le fermer.

Pour sélectionner un mode d'inversion (platine 2 seulement) → B
A chaque pression sur la touche REV MODE, le mode d'inversion change.
Pour lire une seule face, allumer ⇉.
Pour lire de la face avant à la face arrière une seule fois, allumer ⇄.
Pour lire les deux faces à plusieurs reprises, allumer ⇆.
- Quand il y a des cassettes dans les deux platines, ⇄ sur l'affichage signifie "Lecture continue". (Voir page 33.)

LECTURE D'UNE CASSETTE → C

Mettre une cassette en place.

1 **Appuyer sur la touche DOLBY NR pour mettre le réducteur de bruit en ou hors service, en fonction de la cassette à lire.**
Pour les cassettes enregistrées avec réducteur de bruit DOLBY, allumer DD NR.
Pour les cassettes enregistrées sans réducteur de bruit DOLBY, éteindre DD NR.

2 **Appuyer sur la touche ◄► pour démarrer la lecture.**
AFFICHAGE
① Face lue de la cassette
▷: La face orientée vers l'avant (la face avant) est lue.
◁: la face orientée vers l'arrière (la face arrière) est lue.
② Le compteur indique la durée de défilement de la bande.

Quand il y a des cassettes dans les deux platines
Appuyer d'abord sur la touche TAPE pour sélectionner une platine.
Le numéro de la platine sélectionnée est affiché.

Pour arrêter la lecture, appuyer sur la touche ■.
Pour mettre la lecture en pause (platine 2 seulement), appuyer sur la touche ❚❚. Pour reprendre la lecture, appuyer de nouveau sur cette touche.
Pour changer de face lue, appuyer sur la touche ◄► DIRECTION/PRESET pendant la lecture ou le mode pause.
Pour obtenir une avance rapide ou un rebobinage, appuyer sur la touche ◄◄ ou ►► dans le mode arrêt. Ensuite, appuyer sur la touche ■ pour arrêter le défilement.

Pour démarrer la lecture quand l'alimentation est coupée (fonction de lecture directe)
Appuyer sur la touche TAPE. L'appareil est mis sous tension et la lecture de la cassette en place commence.

Pour mettre le compteur à 0000
Appuyer sur la touche ■ CLEAR dans le mode arrêt.
Le compteur est aussi mis à 0000 quand le porte-cassette est ouvert.

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Chapter 2

Server Installation

This chapter provides the procedures required to prepare a ProLiant ML750 server to be mounted in a Compaq or an industry-standard 19-inch rack and to install the server in the rack.

Installation Overview

Installing the server in the rack requires the following steps:

1. **Select a site and unpack the server, keyboard, and mouse.** See the "Optimum Environment" and "Shipping Boxes Contents" sections in this chapter.
2. **Remove the power supply shipping bracket.** See the "Removing the Shipping Bracket" section in this chapter.
3. **Install any expansion boards or otber options, sucb as additional memory, hard drives, and external storage devices (optional).**

   You will need to run the ROM-based System Configuration Utility after you install some hardware options, with the exception of additional memory and most PCI boards. Refer to the Server Setup and Management pack shipped with your server to run the ROM-based System Configuration Utility. See Chapter 4, "Installing Hardware Options," to install many of the major options.
4. **Install tbe server in a rack.** See the instructions in the remaining sections of this chapter.

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```
install=/boot/boot.b
prompt
timeout=50
# begin Linux section
image=/boot/bzImage-2.2.5
  label=2.2.5
  append="mem=160M"
  root=/dev/sda2
  read-only
# begin Linux section
image=/boot/vmlinuz-2.0.35
  label=linux
  append="mem=160M
  root=/dev/sda2
  initrd=/boot/initrd.gz
  read-only
# begin System Partition section
other=/dev/sda3
  label=F10
  table=/dev/sda
```

Next, run /sbin/lilo to install the new LILO entries:

```
[root@tlaloc] /sbin/lilo
   Added 2.2.5 *
   Added Linux
   Added F10
```

RAID

Since the distributions detailed in this document (Caldera 1.3, Red Hat 5.2, and SuSE 5.3 and 6.0) do not support installation to a RAID device, Linux must first be installed to a SCSI device and then moved to the array device. In order to move the operating system from a SCSI device to a RAID device, both devices must be connected to disk storage simultaneously. In order to do this, one must have one or more SCSI drives connected to the machines SCSI channel at the same time that several drives are connected to the SMART Array Controller channel. There are two ways to do this. Both of these apply only to the ProLiant servers detailed in this Guide.

The first way is to connect either the external SCSI channel or the external RAID channel to an external ProLiant storage system. That leaves the internal drives available to be connected to either the internal RAID channel (if the SCSI drives are connected externally) or the internal SCSI channel (if not).

The second way to accommodate the need for simultaneous connection to the RAID and SCSI channels is to bolt a non-hot-pluggable drive to one of the internal, non-hot-pluggable drive bays of the ProLiant 1600 or 1850R. Connect this drive to the internal SCSI channel and connect the internal hot-plug drive bay to the RAID channel.

Either of the above-mentioned hardware configurations allows for installation to the SCSI device – which is supported by the Linux distributions covered here – and subsequently allows for copying the operating system from the SCSI device to the RAID device.

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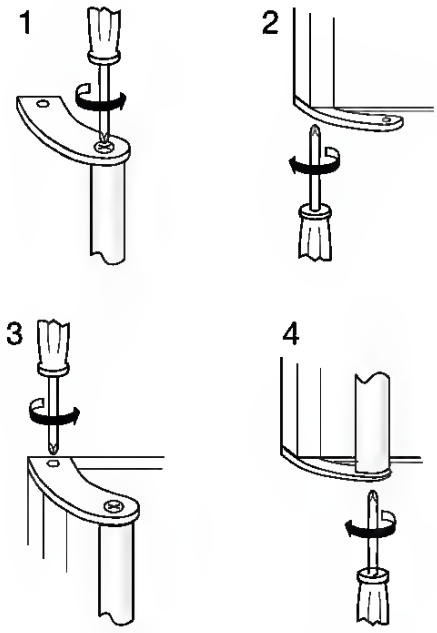
Fitting the Door Handles

1. Screw the top handle bracket to the handle rod (1). Fit the bottom handle bracket on the lower left-hand side of the door (2).
2. Fit the top handle bracket on the top left-hand side of the door (3) and screw the handle rod to the bottom handle bracket (4).

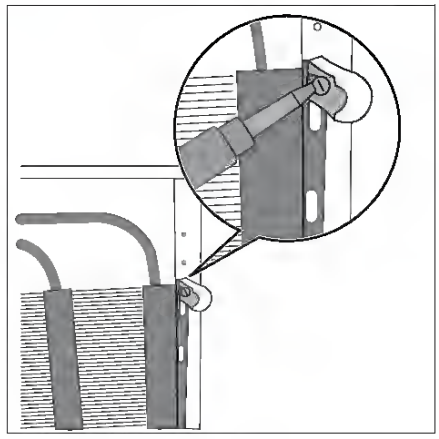
Attention!

Do not overtighten the screws (max. 2 Nm) as you may damage the door handles.



Rear spacers

Fit the rear spacers contained in the appliance to ensure even dissipation of heat genereted during operation. Proceed in the sequence illustrated by the figures.



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E = Toll Discouraged/National Network/Practical

F = Toll Discouraged/53 Foot Trailer/Practical

G = Toll Discouraged/Shortest

H = National Network/Shortest

I = 53 Foot Trailer/Shortest

J = Toll Discouraged/National Network/Shortest

K = Toll Discouraged/53 Foot Trailer/Shortest

Restriction Overrides by Version

PC*MILER 14.x	Feature not available
PC*MILER 15.x	Feature not available
PC*MILER 16.x	Available with Street Level Add-on Only
PC*MILER 17.x	Available all versions

Codes For PC*MILER Versions

Must be 3 characters:

PC*MILER 14.0 = 140

PC*MILER 14.1 = 141

PC*MILER 15.0 = 150

PC*MILER 15.0 = 151

PC*MILER 16.0 = 160

PC*MILER 16.1 = 161

PC*MILER 17.0 = 170

PC*MILER 17.1 = 171

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Boards

This section describes how to remove and replace the hot-pluggable hard drive backplane board, the processor backplane board, memory modules, the system I/O board tray assembly, processor power module, processor chip, processor board, and expansion boards.

Drive Cage with Hot-Pluggable Drive Backplane Board

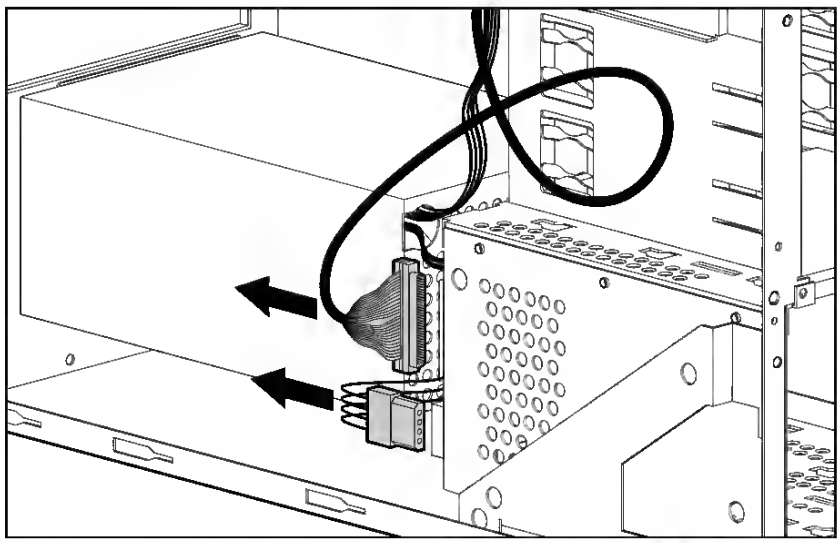

Figure 2-22. Removing the Cables from the Hot-Pluggable Drive Backplane Board

1. Remove the large access panel.
2. Disconnect the signal and power cables from the backplane board.

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Onboard ATI ES1000	N/A	OS built-in
Onboard USB 2.0	N/A	OS built-in

Software Required

The management utility of integrated SAS RAID can be found in the EasyBUILD 7.1 build 100 (or later).

Software	Version	Directory on EasyBUILD
Intel RAID Web Console	1.13-00	\app\r720\raid\Integrated_SAS\Linux\

Configuring integrated SAS RAID

Please refer to the Appendix A. for the integrated SAS RAID configuration.

Installation Tips

NOTE. There is no built-in driver Integrated SAS RAID in the SUSE Linux Enterprise Server 9 Service Pack 3. If you do not have the optional internal USB floppy drive, you need an external USB floppy drive for applying driver during the OS installation.

1. Since SUSE Linux Enterprise Server 9 Service Pack 3 cannot recognize the integrated SAS RAID, you need to make a driver diskette from the EasyBUILD 7.1 build 100 first before the installation.
2. Boot the system form SUSE Linux Enterprise Server 9 Service Pack3 bootable CD.
3. When you see the boot menu on the screen, select **Installation**, press F6 then press Enter to continue.
4. Follow the instruction to load the integrated SAS RAID driver from the driver diskette.
5. Follow the instruction to change the CD to SUSE Linux Enterprise Server 9 CD #1.
6. At the Installation Settings, select the Software and click on **Detailed selection** to add **kernel-source** and **C/C++ Compiler and Tools** to install.
7. To add C/C++ compiler tools, please check **C/C++ Compiler and Tools** in the left window.
8. To add kernel-source, please select **Various Linux Tools** in the left window and check **kernel-source** in the right window.
9. After you add the **kernel-source** and **C/C++ Compiler and Tools**, please click on **Accept** and follow the instruction to complete the installation.

Gigabit Ethernet Driver Installation

1. You can find the Intel 82S46EB driver in EasyBUILD 7.1 build 100. Please

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English

Traveling with the computer

"when you are moving within a larger distance, for instance, from your office building to a client's office building or traveling locally"

Preparing the computer

Prepare the computer as if you were taking it home. Make sure that the battery in the computer is charged. Airport security may require you to turn on your computer when bringing it into the gate area.

What to bring with you

Bring the following items with you:

- AC adapter
- Spare, fully-charged battery pack(s)
- Additional printer driver files if you plan to use another printer

Special considerations

In addition to the guidelines for taking the computer home, follow these guidelines to protect your computer while traveling:

- Always take the computer as carry-on luggage.
- If possible, have the computer inspected by hand. Airport security X-ray machines are safe, but do not put the computer through a metal detector.

Traveling internationally with the computer

"when you are moving from country to country"

Preparing the computer

Prepare the computer as you would normally prepare it for traveling.

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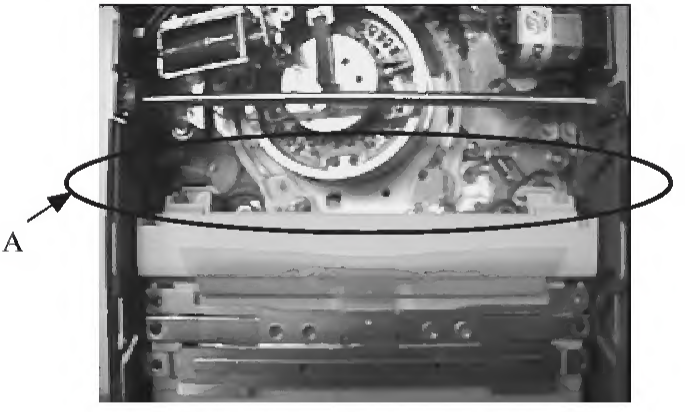

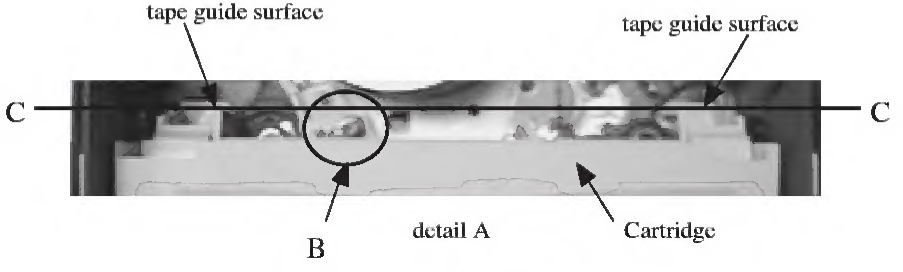

照片-1：上帶機的初期位置

注意

當 Guide B（見上圖）的面積在線 C-C 之下，立即停止馬達的旋轉，否則驅動齒輪會損壞。
（註：線 C-C 的定義：卡匣內兩倍循環帶的引導表面）

LIMITED WARRANTY

COLOR TELEVISION

90 Days Free Labor

One Year Free Replacement of Parts (Two Years Free Replacement on Color Picture Tube)

This product must be carried in for service.

WHO IS COVERED?

You must have proof of purchase to receive warranty service. A sales receipt or other document showing that you purchased the product is considered proof of purchase.

WHAT IS COVERED?

Warranty coverage begins the day you buy your product. *For 90 days thereafter,* all parts will be repaired or replaced free, and labor is free. From 90 days to one year from the day of purchase, all parts will be repaired or replaced free, but you pay for all labor charges. From one to two years from the day of purchase, you pay for the replacement or repair of all parts except the picture tube, and for all labor charges. After two years from the day of purchase, you pay for the replacement or repair of all parts, and for all labor charges.

All parts, including repaired and replaced parts, are covered only for the original warranty period. When the warranty on the product expires, the warranty on all replaced and repaired parts also expires.

WHAT IS EXCLUDED?

Your warranty does not cover:

- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of Philips Consumer Electronics Company.
- reception problems caused by signal conditions or cable or antenna systems outside the unit.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- a product used for commercial or institutional purposes.

WHERE IS SERVICE AVAILABLE?

Warranty service is available in all countries where the product is officially distributed by Philips Consumer Electronics Company. In countries where Philips Consumer Electronics Company does not distribute the product, the local Philips service organization will attempt to provide service (although there may be a delay if the appropriate spare parts and technical manual(s) are not readily available).

MAKE SURE YOU KEEP...

Please keep your sales receipt or other document showing proof of purchase. Attach it to this owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

BEFORE REQUESTING SERVICE...

Please check your owner's manual before requesting service. Adjustments of the controls discussed there may save you a service call.

TO GET WARRANTY SERVICE IN U.S.A., PUERTO RICO OR U.S. VIRGIN ISLANDS...

Contact a Philips factory service center (see enclosed list) or authorized service center to arrange repair.

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1-800-363-7278

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REMEMBER...

Please record the model and serial numbers found on the product below. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL # _____

SERIAL # _____

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

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